

# PATENT

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Jill Wolfe

Name of Person Signing

February 3, 2004

Date of Signature

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Stephen F. Bush  
Filing Date : herewith  
For : A SYSTEM FOR EVOLUTIONARY  
ADAPTATION  
Attorney Docket No. : LM(F)6641

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Sir:

This information disclosure statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office, in accordance with 37 CFR §1.56.

Below is a list of information of which persons substantively involved in the preparation of the application identified above, are aware and believe that a reasonable Examiner may consider important to deciding whether to allow the application. This statement is not a representation that no other relevant information exists, and is not an admission that any of the items is material as defined in 37 CFR §1.56(b). Copies of the listed foreign patents and other non-patent literature are enclosed. No copies of listed U.S. Patents and Patent Application Publications are enclosed. A PTO Form 1449 is attached.

**U.S. PATENT DOCUMENTS**

U.S. Patent No. 4,780,821	U.S. Patent No. 6,122,759
U.S. Patent No. 5,623,495	U.S. Patent No. 6,195,697 B1
U.S. Patent No. 5,717,689	U.S. Patent No. 6,304,556 B1
U.S. Patent No. 5,943,322	U.S. Patent No. 6,501,995 B1
U.S. Patent No. 5,987,011	U.S. Patent No. 6,529,515
U.S. Patent No. 6,047,319	

**U.S. PATENT APPLICATION PUBLICATION DOCUMENTS**

U.S. Patent Application Publication US 2001/0033556 A1  
U.S. Patent Application Publication US 2002/0054577 A1  
U.S. Patent Application Publication US 2002/0060994 A1  
U.S. Patent Application Publication US 2002/0061009 A1  
U.S. Patent Application Publication US 2002/0071395 A1  
U.S. Patent Application Publication US 2002/0122410 A1  
U.S. Patent Application Publication US 2002/0191573 A1  
U.S. Patent Application Publication US 2003/0012176 A1  
U.S. Patent Application Publication US 2003/0035273 A1  
U.S. Patent Application Publication US 2003/0035437 A1  
U.S. Patent Application Publication US 2003/0054818 A1  
U.S. Patent Application Publication US 2003/0058886 A1  
U.S. Patent Application Publication US 2003/0060202 A1  
U.S. Patent Application Publication US 2003/0069921 A1

**NON-PATENT LITERATURE**

“Security of Ad Hoc Networks: A Preliminary Discussion”, Y.W. Law, P. Hartel and S. Etalle, September 13, 2002

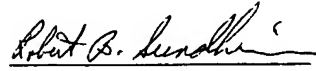
“Fault Localization and Self-Healing Mechanisms for FCS Networks”, > Kant, A. S. Seth & M. Steinder, Telcordia Technologies

“A Self-Healing and Optimizing Routing Technique for Ad Hoc Networks”, C. Gui and P. Mohapatra

“Standard Evaluations for Ad Hoc Mobile Networks”

"Self Organizing and Self-Healing Ad-Hoc Networks", BBN Technologies

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Robert B. Sundheim", is written over a horizontal line.

Robert B. Sundheim  
Reg. No.: 20,127

TAROLLI, SUNDHEIM, COVELL  
& TUMMINO, L.L.P.  
526 Superior Avenue - Suite 1111  
Cleveland, OH 44114-1400  
(216) 621-2234  
(216) 621-4072 (Facsimile)  
Customer No.: 26294

FORM PTO-1449  
(REV. 6-89)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: LM(F)6641

SERIAL NO.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(Use several sheets if necessary)*

APPLICANT(S): Stephen F. Bush

FILING DATE: herewith

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		4	7	8	0	8	2	1	10/25/88	Crossley			
		5	6	2	3	4	9	5	4/22/97	Eng et al.			
		5	7	1	7	6	8	9	2/10/98	Ayanoglu			
		5	9	4	3	3	2	2	8/24/99	Mayor et al.			
		5	9	8	7	0	1	1	11/16/99	Toh			
		6	0	4	7	3	1	9	4/4/00	Olson			
		6	1	2	2	7	5	9	9/19/00	Ayanoglu et al.			
		6	1	9	5	6	9	7	2/27/01	Bowman- Amuah			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER										DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
														YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		U.S. Patent Appln. Publication US2001/0033556A1, published October 25, 2001
		U.S. Patent Appln. Publication US2002/0054577A1, published May 9, 2002
		U.S. Patent Appln. Publication US2002/0060994A1, published May 23, 2002
		U.S. Patent Appln. Publication US2002/0061009A1, published May 23, 2002
		U.S. Patent Appln. Publication US2002/0071395A1, published June 13, 2003
		U.S. Patent Appln. Publication US2002/0122410A1, published September 5, 2002

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	6	3	0	4	5	5	6		10/16/01	Haas			
	6	5	0	1	9	9	5		12/31/02	Kinney et al.			
	6	5	2	9	5	1	5		3/4/03	Raz et al.			

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	U.S. Patent Appln. Publication US2002/0191573A1, published December 19, 2002
	U.S. Patent Appln. Publication US2003/0012176A1, published January 16, 2003
	U.S. Patent Appln. Publication US2003/0035273A1, published February 20, 2003
	U.S. Patent Appln. Publication US2003/0035437A1, published February 20, 2003
	U.S. Patent Appln. Publication US2003/0054818A1, published March 20, 2003
	U.S. Patent Appln. Publication US2003/0058886A1, published March 27, 2003
	U.S. Patent Appln. Publication US2003/0060202A1, published March 27, 2003

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	U.S. Patent Appln. Publication US2003/0069921A1, published April 10, 2003
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	September 13, 2002
	"Fault Localization and Self-Healing Mechanisms for FCS Networks", L. Kant, A. S. Sethi & M. Steinder, Telcordia Technologies
	"A Self-Healing and Optimizing Routing Technique for Ad Hoc Networks", C. Gui & P. Mohapatra
	"Standard Evaluations for Ad Hoc Mobile Networks
	"Self-Organizing and Self-Healing Ad-hoc Networks", BBN Technologies

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